

§ 430.55

40 CFR Ch. I (7–1–07 Edition)

any other pollutants covered in this section as appropriate under 40 CFR 122.44(i) and 122.45(h).

performance standards (NSPS), as applicable.

(a) The following standards apply to each new source regardless of when it commenced discharge:

§ 430.55 New source performance standards (NSPS).

New sources subject to this subpart must achieve the following new source

SUBPART E
[1982 NSPS]

Pollutant or pollutant property	Kg/kg (or pounds per 1,000 lb) of product		
	Continuous dischargers		Non-continuous dischargers (annual average)
	Maximum for any 1 day	Average of daily values for 30 consecutive days	
BOD ₅	4.38exp(0.017x) ...	2.36exp(0.017x)	Average of daily values for 30 consecutive days divided by 1.91.
TSS	5.81exp(0.017x) ...	3.03exp(0.017x)	Average of daily values for 30 consecutive days divided by 1.90.
pH	(¹)	(¹)	(¹)

x = percent sulfite pulp in final product

¹ Within the range of 5.0 to 9.0 at all times.

(b) The following standards apply with respect to each new source fiber line that commences discharge after June 15, 1998.

(1) The following standards apply to all new sources in the calcium-, magnesium-, or sodium-based sulfite pulp segment:

SUBPART E
[Production of Calcium-, Magnesium-, or Sodium-based Sulfite Pulps]

Pollutant or pollutant property	NSPS			
	Continuous dischargers		Non-continuous dischargers	
	Maximum for any 1 day	Monthly average	Maximum for any 1 day	Annual average
kg/kg (or pounds per 1,000 lb) of product				
AOX	<ML ^a	(^b)	<ML ^a	(^b)
COD	(^c)	(^c)	(^c)	(^c)

^a “<ML” means less than the minimum level specified in § 430.01(i) for the particular pollutant.

^b This regulation does not specify this type of limitation for this pollutant; however, permitting authorities may do so as appropriate.

^c [Reserved]

(2)(i) The following standards apply to all new sources in the ammonium-based sulfite pulp segment:

SUBPART E—PRODUCTION OF AMMONIUM-BASED SULFITE PULPS

Pollutant or pollutant property	NSPS	
	Maximum for any 1 day	Monthly average
TCDD ^a	<ML ^b	(^c)
TCDF ^a	<ML ^b	(^c)
Chloroform ^a	(^d)	(^d)
Trichlorosyringol ^a	<ML ^b	(^c)
3,4,5-trichlorocatechol ^a	<ML ^b	(^c)
3,4,6-trichlorocatechol ^a	<ML ^b	(^c)
3,4,5-trichloroguaiacol ^a	<ML ^b	(^c)
3,4,6-trichloroguaiacol ^a	<ML ^b	(^c)

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SUBPART E—PRODUCTION OF AMMONIUM-BASED SULFITE PULPS—Continued

Pollutant or pollutant property	NSPS	
	Maximum for any 1 day	Monthly average
4,5,6-trichloroguaiacol ^a	<ML ^b	(^c)
2,4,5-trichlorophenol ^a	<ML ^b	(^c)
2,4,6-trichlorophenol ^a	<ML ^b	(^c)
Tetrachlorocatechol ^a	<ML ^b	(^c)
Tetrachloroguaiacol ^a	<ML ^b	(^c)
2,3,4,6-tetrachlorophenol ^a	<ML ^b	(^c)
Pentachlorophenol ^a	<ML ^b	(^c)

	Continuous dischargers		Non-continuous dischargers	
	Maximum for any 1 day	Monthly average	Maximum for any 1 day	Annual average
	kg/kg (or pounds per 1,000 lb) of product			
AOX	(^d)	(^d)	(^d)	(^d)
COD	(^d)	(^d)	(^d)	(^d)

^a These limitations do not apply with respect to fiber lines that use a TCF bleaching process as disclosed by the discharger in its permit application under 40 CFR 122.21(g)(3) and certified under 40 CFR 122.22.

^b “<ML” means less than the minimum level specified in § 430.01(i) for the particular pollutant.

^c This regulation does not specify this type of limitation for this pollutant; however, permitting authorities may do so as appropriate.

^d [Reserved]

(ii) The following standards apply to all new sources in the ammonium-based sulfite pulp segment with respect to each fiber line that uses exclusively TCF bleaching processes, as disclosed by the discharger in its NPDES permit application under 40 CFR 122.21(g)(3) and certified under 40 CFR 122.22:

SUBPART E—PRODUCTION OF AMMONIUM-BASED SULFITE PULPS

Pollutant or pollutant property	NSPS (TCF)			
	Continuous dischargers		Non-continuous dischargers	
	Maximum for any 1 day	Monthly average	Maximum for any 1 day	Annual average
	kg/kg (or pounds per 1,000 lb) of product			
AOX	<ML ^a	(^b)	<ML ^a	(^b)
COD	(^c)	(^c)	(^c)	(^c)

^a “<ML” means less than the minimum level specified in § 430.01(i) for the particular pollutant.

^b This regulation does not specify this type of limitation for this pollutant; however, permitting authorities may do so as appropriate.

^c [Reserved]

(3)(i) The following standards apply to all new sources in the specialty grade sulfite pulp segment:

SUBPART E—PRODUCTION OF SPECIALTY GRADE SULFITE PULPS

Pollutant or pollutant property	NSPS	
	Maximum for any 1 day	Monthly average
TCDD ^a	<ML ^b	(^c)
TCDF ^a	<ML ^b	(^c)
Chloroform ^a	(^d)	(^d)
Trichlorosyringol ^a	<ML ^b	(^c)
3,4,5-trichlorocatechol ^a	<ML ^b	(^c)
3,4,6-trichlorocatechol ^a	<ML ^b	(^c)
3,4,5-trichloroguaiacol ^a	<ML ^b	(^c)
3,4,6-trichloroguaiacol ^a	<ML ^b	(^c)
4,5,6-trichloroguaiacol ^a	<ML ^b	(^c)

SUBPART E—PRODUCTION OF SPECIALTY GRADE SULFITE PULPS—Continued

Pollutant or pollutant property	NSPS			
	Maximum for any 1 day		Monthly average	
2,4,5-trichlorophenol ^a	<ML ^b		(c)	
2,4,6-trichlorophenol ^a	<ML ^b		(c)	
Tetrachlorocatechol ^a	<ML ^b		(c)	
Tetrachloroguaiacol	<ML ^b		(c)	
2,3,4,6-tetrachlorophenol ^a	<ML ^b		(c)	
Pentachlorophenol ^a	<ML ^b		(c)	
	Continuous dischargers		Non-continuous dischargers	
	Maximum for any 1 day	Monthly average	Maximum for any 1 day	Annual average
kg/kg (or pounds per 1,000 lb) of product				
AOX	(d)	(d)	(d)	(d)
COD	(d)	(d)	(d)	(d)

^a These limitations do not apply with respect to fiber lines that use a TCF bleaching process as disclosed by the discharger in its permit application under 40 CFR 122.21(g)(3) and certified under 40 CFR 122.22.

^b “<ML” means less than the minimum level specified in § 430.01(i) for the particular pollutant.

^c This regulation does not specify this type of limitation for this pollutant; however, permitting authorities may do so as appropriate.

^d [Reserved]

(ii) The following standards apply to all new sources within the specialty grade sulfite pulp segment with respect to each fiber line that uses exclusively TCF bleaching processes, as disclosed by the discharger in its NPDES permit application under 40 CFR 122.21(g)(3) and certified under 40 CFR 122.22:

SUBPART E—PRODUCTION OF SPECIALTY GRADE SULFITE PULPS

Pollutant or pollutant property	NSPS (TCF)			
	Continuous dischargers		Non-continuous dischargers	
	Maximum for any 1 day	Monthly average	Maximum for any 1 day	Annual average
kg/kg (or pounds per 1,000 lb) of product				
AOX	<ML ^a	(b)	<ML ^a	(b)
COD	(c)	(c)	(c)	(c)

^a “<ML” means less than the minimum level specified in § 430.01(i) for the particular pollutant.

^b This regulation does not specify this type of limitation for this pollutant; however, permitting authorities may do so as appropriate.

^c [Reserved]

(c) The following standards apply to each new source regardless of when it commenced discharge, unless it certifies to the permitting authority that it is not using these compounds as biocides. Also, for non-continuous dischargers, concentration limitations (mg/l) shall apply. Concentration limitations will only apply to non-continuous dischargers:

SUBPART E
[Supplemental NSPS]

Pollutant or pollutant property	Maximum for any 1 day	
	kg/kg (or pounds per 1,000 lb) of product	Milligrams/liter
Pentachlorophenol	0.00058exp(0.017x)	((0.015)(9.12)exp(0.017x))/y
Trichlorophenol	0.0036exp(0.017x)	((0.094)(9.12)exp(0.017x))/y

x = percent sulfite pulp in final product.

SUBPART E—Continued
[Supplemental NSPS]

Pollutant or pollutant property	Maximum for any 1 day	
	kg/kg (or pounds per 1,000 lb) of product	Milligrams/liter
y = wastewater discharged in kgal per ton of product.		

(d) Pursuant to 40 CFR 122.44(i) and 122.45(h), a discharger must demonstrate compliance with the standards in paragraphs (b)(2) or (b)(3) of this section, as applicable, by monitoring for all pollutants (except for AOX, COD, BOD₅, TSS, and pH) at the point where the wastewater containing those pollutants leaves the bleach plant. The permitting authority may impose effluent limitations and/or monitoring requirements on internal wastestreams for any other pollutants covered in this section as appropriate under 40 CFR 122.44(i) and 122.45(h).

§ 430.56 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart that introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and must achieve the following pretreatment standards for existing sources (PSES).

(a) The following pretreatment standards must be attained on or before April 16, 2001.

(1) The following pretreatment standards apply to all indirect dischargers in the calcium-, magnesium-, or sodium-based sulfite pulp segment:

SUBPART E

[Production of Calcium-, Magnesium-, or Sodium-based Sulfite Pulps]

Pollutant or pollutant property	PSES	
	Maximum for any 1 day	Monthly average
	kg/kg (or pounds per 1,000 lb) of product	
AOX	<ML ^a	(^b)

^a“<ML” means less than the minimum level specified in § 430.01(i) for the particular pollutant.

^bThis regulation does not specify this type of limitation for this pollutant; however, pretreatment control authorities may do so as appropriate.

(2)(i) The following pretreatment standards apply to all indirect dischargers in the ammonium-based sulfite pulp segment:

SUBPART E—PRODUCTION OF AMMONIUM-BASED SULFITE PULPS

Pollutant or pollutant property	PSES	
	Maximum for any 1 day	Monthly average
TCDD ^a	<ML ^b	(^c)
TCDF ^a	<ML ^b	(^c)
Trichlorosyringol ^a	<ML ^b	(^c)
3,4,5-trichlorocatechol ^a	<ML ^b	(^c)
3,4,6-trichlorocatechol ^a	<ML ^b	(^c)
3,4,5-trichloroguaiacol ^a	<ML ^b	(^c)
3,4,6-trichloroguaiacol ^a	<ML ^b	(^c)
4,5,6-trichloroguaiacol ^a	<ML ^b	(^c)
2,4,5-trichlorophenol ^a	<ML ^b	(^c)
2,4,6-trichlorophenol ^a	<ML ^b	(^c)
Tetrachlorocatechol ^a	<ML ^b	(^c)
Tetrachloroguaiacol ^a	<ML ^b	(^c)
2,3,4,6-tetrachlorophenol ^a	<ML ^b	(^c)